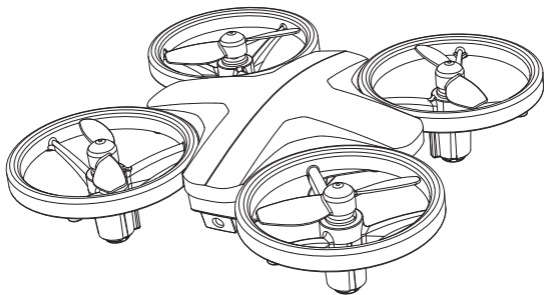




# HS180

## User Manual

V1.0



+1(833)766-4733

usa@holystone.com (USA)  
ca@holystone.com (CA)

eu@holystone.com (EU)  
au@holystone.com (AU)

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### Product Profile

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| 03 | Diagram of the Transmitter |    |                      |

## 2

### Operation Guidance

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### Drone Functions

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# Reading Guidance

## Icon

“” essential precautions.

“” tips for operation and usage.

## Recommended Steps

**Our product offers both tutorial videos and the following resources:**

- Safety Guidelines & Specifications
- Quick Start Guide
- User Manual

For a smooth start, we suggest watching the tutorial videos and reviewing the "Safety Guidelines & Specifications" first. Then, familiarize yourself with the basics through the "Quick Start Guide". For a comprehensive understanding, delve into the "User Manual".

## Access Tutorial Videos

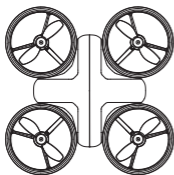
To ensure you're using the product safely and correctly, scan the QR code below to view our tutorial videos.



We are committed to continuously improving user experience and reserve the right to update products. This manual may be revised without prior notice. Scan the QR code to access the latest version. In case of discrepancies between digital and printed editions, the electronic version shall prevail.

## 1.1 Package Contents >>

1



2



3



4



5



6



7



8



**1** Drone

**2** Transmitter

**3** Drone Battery

**4** USB Charging Cable

**5** Screwdriver

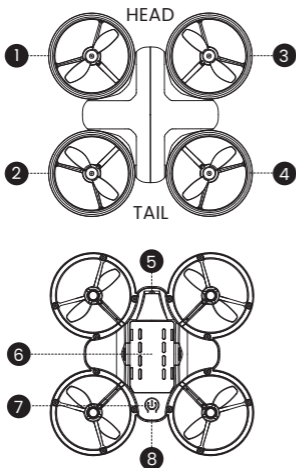
**6** Propeller

**7** Propeller Spanner

**8** User Manual


## 1.2 Diagram of the Drone >>

### Drone



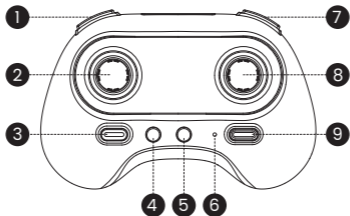
- 1 Propeller A
- 2 Propeller B
- 3 Propeller B
- 4 Propeller A
- 5 Front Indicator
- 6 Drone Battery
- 7 Power Button
- 8 Rear Indicator



**Turning on/off:** Long press the power button (  ) on the drone to turn it on/off.

## 1.3 Diagram of the Transmitter >>

### Transmitter

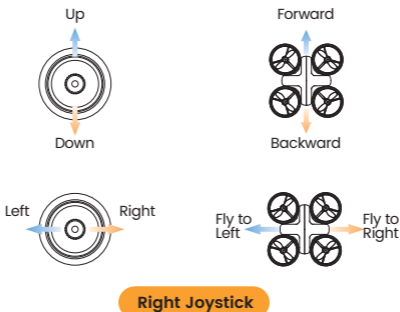
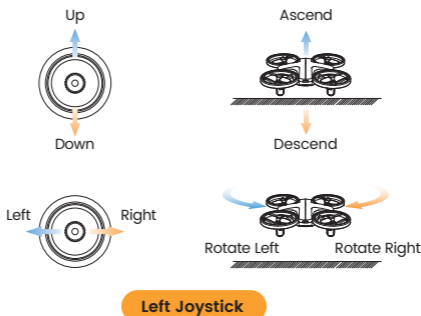


- 1** Speed Switch (Short press)  
Trimmer (Long press)
- 2** Left Joystick
- 3** One Key Start/ Takeoff/ Landing
- 4** Light Switch (Short press)
- 5** High-Speed Rotation (Short press)  
Circle Fly (Long press)
- 6** Power Indicator
- 7** 360°Flip (Short press)  
Headless Mode (Long press)
- 8** Right Joystick
- 9** Power Button (Short press)

## 1.3 Diagram of the Transmitter >>

### Joystick Mode


- **Mode 2:** (Left joystick as the throttle joystick)



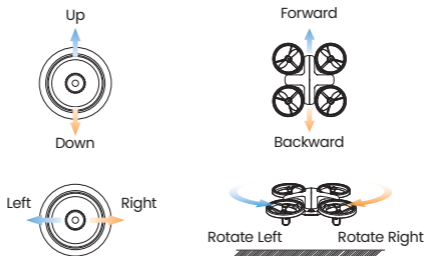
## 1.3 Diagram of the Transmitter >>

### Joystick Mode

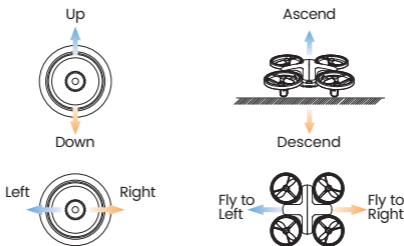
- **Mode 1:** (Right joystick as the throttle joystick)

To enter MODE 1, turn on the transmitter while holding the  button.

(Please do not release the  button until the transmitter is powered on.)



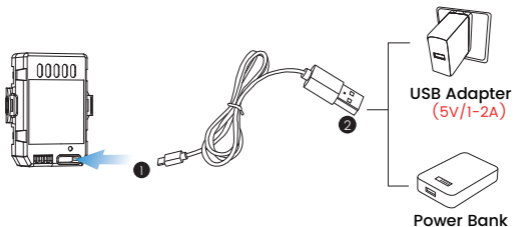
Left Joystick



Right Joystick

## 2.1 Battery Preparation >>

### Drone Battery



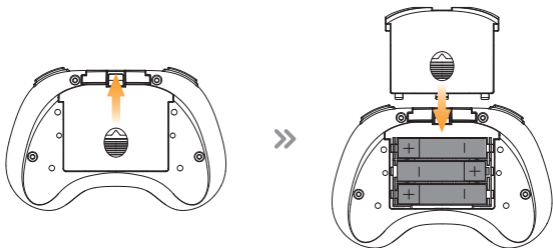
- 1 Remove the battery from the drone and connect it to a USB charging cable.
- 2 Plug the USB Charging Cable into a USB charging port on the power bank or USB adapter (**5V/1-2A**).
- 3
  - a. When the battery is charging, the indicator light on the battery is red.
  - b. When the battery is fully charged, the indicator light on the battery will turn off.
- 4 Charging time: about **50 minutes**.

\* **Low Battery Warning:** When the battery is low, the drone's indicator light will flash red in a double-flash pattern, and the transmitter will emit continuous beeping sounds.

- ⚠ Before charging, please read the instructions in the "Battery Safety" section of the "Safety Guidelines & Specifications" carefully!
- DO NOT charge a battery immediately after a flight as the temperature may be too high. Please wait until it cools down to room temperature before charging again.
- Please use the original charging cable to charge the battery.

## 2.1 Battery Preparation >>

### Changing Transmitter Batteries



Open the battery cover on the back of the transmitter, insert the three AAA batteries (Not included) into the battery compartment. Then close the battery cover to complete the installation.

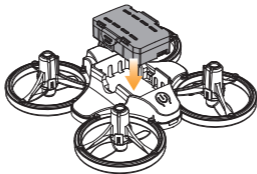
**\* Low Battery Warning:** The power indicator on the transmitter will flash rapidly to alert you of a low battery.

- ⚠ Install batteries carefully, following the correct polarity (+/-).
- Do not mix old and new batteries.
- Do not mix different types of batteries.

## 2.2 Pre-Flight Preparations >>

### Drone Battery

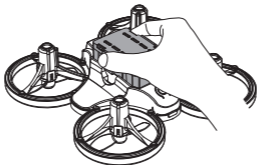
- **Installation:**



Insert the battery into the compartment located at the bottom of the drone. Make sure that you hear a click sound, which indicates that the battery is firmly installed.

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- **Removal:**



Press both side latches while pulling the battery out from the drone.

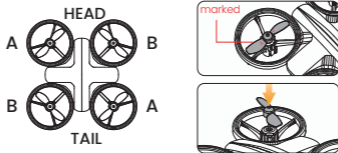


The battery should be installed firmly. Otherwise, the flight safety of your drone may be affected. The drone may crash due to a power-cut during the flight.

## 2.2 Pre-Flight Preparations >>

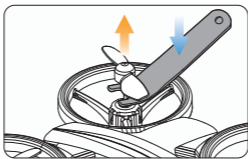
### Propellers

#### • Installation:



The drone will not fly unless the correct propeller is installed on the correct motor shaft. Each propeller is labeled with either an "A" or "B" on it. Install the propeller to the motor shaft and press into place.

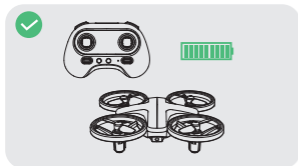
#### • Removal:



For propeller removal, insert the propeller spanner between the propeller and the motor. Be sure to hold the motor while detaching the propeller.

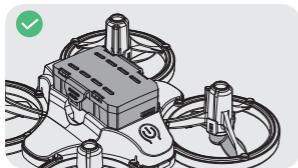
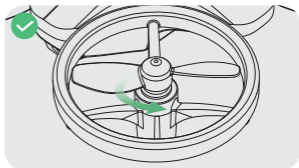
- ⚠ · The propellers are installed before the drone is packaged at the factory.
- Please check that the propellers are properly installed and tightened before each flight.
- Exercise caution when attaching/detaching the propellers to prevent any cuts or injuries.

## 2.3 Pre-Flight Checklist >>



Make sure the transmitter and the drone battery are fully charged.

Make sure that there is nothing obstructing the motors.



Make sure the drone battery and the propellers are mounted securely.

Make ensure that you use only accessories manufactured provided by this company.

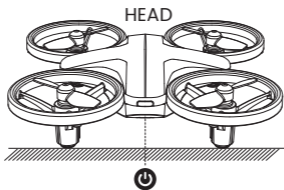


## 2.4 Flight >>


### Pairing



- All operations in this manual are demonstrated using MODE 2 controls.
- Always keep your drone within visual line of sight. If you can't see it, you can't control it.

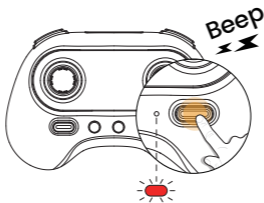


### 1 Turning on the drone

Long press the power button  to turn on the drone. The lights on the drone begin to flash. Set the drone on a flat, level surface, positioning it so that the front faces away from you and the tail points towards you.

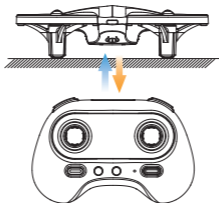
## 2.4 Flight >>

### Pairing



### 2 Turning on the transmitter

Short press the power button ON/OFF on the transmitter to turn it on; its power indicator will begin to flash red and the transmitter will beep once.



### 3 Auto-Pairing

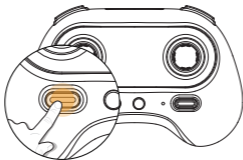
Successful pairing is confirmed when the lights on both the drone and the transmitter become steady.

## 2.4 Flight >>


### Unlocking the Motors



There are two ways to unlock it.



#### Method 1:

Short press the  button, the motors will rotate, and the drone is unlocked.



#### Method 2:

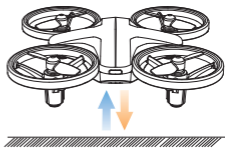
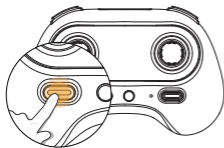
Simultaneously push the left joystick to the bottom right corner and the right joystick to the bottom left corner. The motors will rotate, and the drone is unlocked.

## 2.4 Flight >>


### Takeoff/Landing



Remember to unlock the motors before takeoff.




#### Takeoff

Short press the  button. The drone will take off automatically and hover at 5 ft. Now you can control the drone by using the joysticks.

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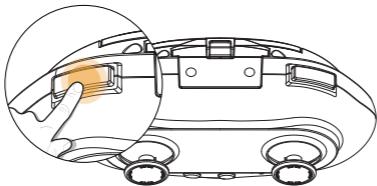



#### Landing

During the flight, short press the  button, the drone will land on the ground automatically.

## 3.1 Flight Functions >>

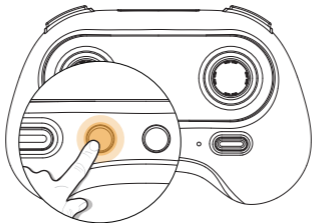
### Speed Switch




This drone comes with 2 speed modes (Low/High). Short press the  button to switch between low and high speed. The transmitter beeps once to indicate Low Speed, beeps twice to indicate High Speed. (The Low Speed is the default speed mode.)

The low speed is 5.48 ft/s. The high speed is 8.2 ft/s.

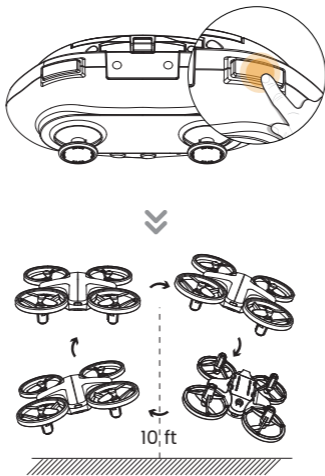
### Light Switch




The drone supports six lighting modes. Short press the  button once to change the light states. Every time the light state changes, the transmitter will beep once.

## 3.1 Flight Functions >>

### 360° Flip



When you get familiar with all the functions of the drone, you can try this amazing flip mode. When the drone is at least 10ft from the ground.

Short press the  button, then push the right joystick forward/backward or leftward/rightward. The drone will do a flip toward the corresponding direction.

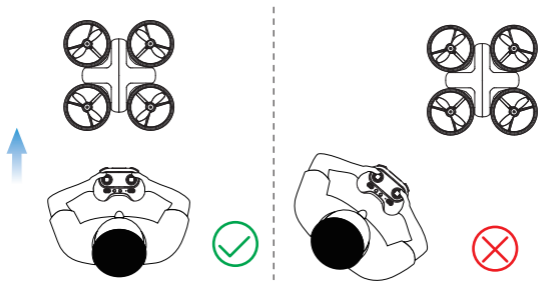


360° Flip function better when the battery is fully charged. And when the battery is low, the function is unavailable.

## 3.1 Flight Functions >>

### Headless Mode

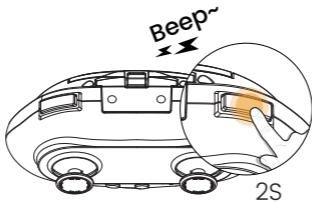
The Headless Mode is a great training tool for beginner pilots. It is also useful when the drone is too far from the pilot (which makes it difficult to tell its orientation). It keeps the drone traveling forward, backward, left, or right when you move the right joystick in those directions, regardless of which way the front of the drone is pointed.





The pilot should stay facing the same direction that the drone's head points to when it takes off.

## 3.1 Flight Functions >>

### Headless Mode



- 1 Activating** : Long press the  button. The transmitter will make a long beep, indicating that the drone is in Headless Mode.
- 2 Deactivating** : Long press the  button again. The transmitter will make a long beep, indicating that the drone has exited Headless Mode.

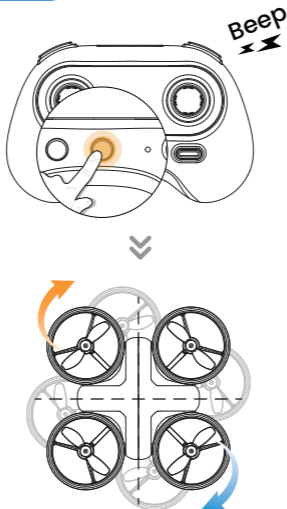
#### \* Why is the orientation of the drone important?



In normal flying mode, the control of the drone movement can sometimes be counter-intuitive for beginners. For instance, when the drone is in the air with its head pointing to your right, if you push the right joystick forward, the drone will fly to your right, instead of flying forward.

With the headless mode, the drone has a fixed "head." In Headless Mode, the drone always remembers the side its head points to during takeoff as the front side. This means that if the drone takes off with its head pointing forward, it doesn't matter how the drone is oriented in the air, when you push the right joystick forward, the drone will fly forward. Or, when its head is pointing to you, if you push the right joystick to the left, the drone will fly to your left.

## 3.1 Flight Functions >>

### High-Speed Rotation



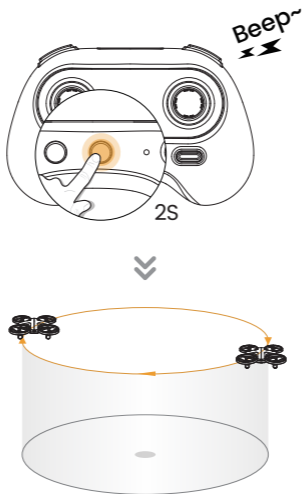
Short press the  button, the transmitter will make a beep, the drone begins to rotate quickly. The drone will exit the High-Speed Rotation function automatically after about 5 seconds, or you can also press the  button again to stop the rotation.





The High-Speed function works better when the battery is fully charged. And when the battery is low, the function is unavailable.

## 3.1 Flight Functions >>

### Circle Fly



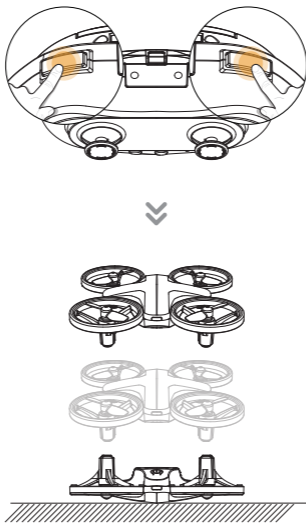
Long press the  button, the transmitter will make a long beep, which indicates that the drone has entered the Circle Fly function. The drone will exit the Circle Fly function automatically after about 5 seconds, or you can also long press the  button again to stop the Circle Fly.





The Circle Fly function works better when the battery is fully charged. And when the battery is low, the function is unavailable.

## 3.1 Flight Functions &gt;&gt;

## Emergency Stop



- 1 Long press the upper left (  ) and upper right (  ) buttons of the transmitter at the same time, the motors will stop immediately.

## 3.1 Flight Functions >>

### Emergency Stop



- 2 After the drone hits the ground, the indicator lights at the front and rear of the drone will flash quickly. Please put the drone on a level surface again, and push the left joystick downward. The indicator lights then turn from flashing to solid, which indicates that you can use the drone now.


**⚠** · When the Emergency Stop is triggered, the propellers will immediately stop spinning, and the drone will lose control, falling freely from its current height. This could potentially hit people or anything in surrounding, leading to injury or damage to valuable items.

· The Emergency Stop should only be triggered in emergency situations to minimize risk and reduce damage. Emergency situations include, but are not limited to: the drone losing control and colliding with people or animals or items, hair or other objects becoming entangled in the propellers, or the drone posing a threat to the safety of other aircraft, where immediate flight cessation or an immediate stop of the propellers is required.

## 3.2 Attitude Adjustment >>

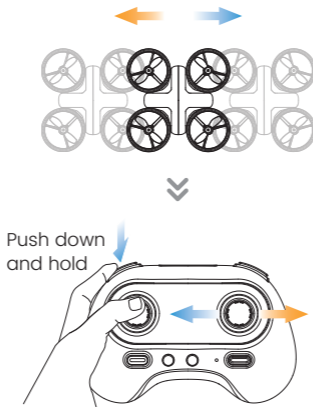
### Trimming

 Trim adjustments are designed to counter drifts not caused by airflow.

**1 Initiate Trim Mode :** Press down and hold the  button throughout the trimming process.

**2 L/R Sideward Trim :**

- If the drone drifts to the right, push the right joystick to the left.
- If the drone drifts to the left, push the right joystick to the right.

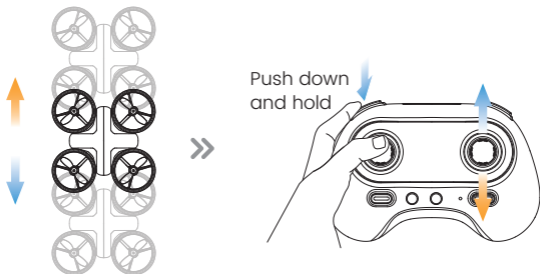



## 3.2 Attitude Adjustment >>

### Trimming

#### 3 F/B Sideward Trim :

- If the drone drifts backward, push the right joystick upward.
- If the drone drifts forward, push the right joystick downward.

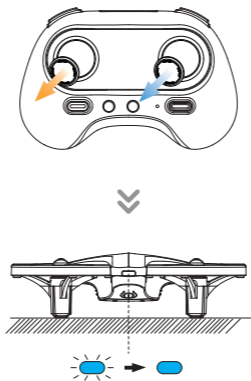


- 
- 4 **Deactivate Trim Mode** : Once adjustments are made, release the  button to exit trim mode.

## 3.2 Attitude Adjustment >>

### Calibrate the Gyro

Make sure to place the drone on a level surface before calibrating the gyro. Simultaneously push the left joystick to the bottom left corner and the right joystick to the bottom right corner to calibrate the gyro. The indicator lights on the drone will blink, then turn solid, which indicates that the calibration is completed.



Gyro-calibration is necessary if the drone has been flying for an extended period of time, or if it experiences a fall or collision.

### 3.3 Stabilization Function >>

#### Altitude-Hold Function



The drone is designed with an altitude-hold function to maintain its altitude after releasing the left joystick. (The left joystick will automatically spring back to the middle)

## 4.1 Specifications >>

### • DRONE:

Model: HS180	Weight: 48 g/ 1.69 oz
Max Flight Height: 131 ft/ 40 m	Max Flight Speed: 8.2 ft/s
Max Flight Time: 7 minutes (in a windless environment)	
Max Wind Speed Resistance: 5.25 ft/s	
Operating Temperature Range: 32° to 104°F (0° to 40°C)	
Size: 112*112*35 mm	

### • DRONE BATTERY:

Model: SDL-851740	Capacity: 500 mAh
Voltage: 3.7 V	Energy: 1.85 Wh
Max Charging Voltage: 4.34V	
Battery Type: Lithium-ion Polymer Battery	
Charging Time: about 50 minutes	
Charging Temperature Range: 41° to 104°F (5° to 40°C)	

### • USB CHARGING CABLE :

Input: 5V/2A	Rated Power: ≤10 W
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## 4.1 Specifications >>

### • TRANSMITTER:

Operating Frequency: 2416–2475 MHz

Max Flight Distance: 131 ft/ 40 m (outdoor and unobstructed)

Operating Temperature Range: 32° to 104°F (0° to 40°C)

Battery Type: 3 × AAA Battery (not included)

## 4.2 Contact Information >>

Please do not hesitate to contact us if you need further support.

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usa@holystone.com (America)    ca@holystone.com (Canada)  
eu@holystone.com (Europe)      au@holystone.com (Australia)



+1 (833) 766-4733

## 4.3 Troubleshooting >>

ISSUES	POSSIBLE CAUSES	SUGGESTED SOLUTIONS
The indicator lights of the drone are flashing and do not respond to the transmitter.	Insufficient battery power.	Recharge the battery.
	The transmitter is not paired to the drone.	Pair the drone and transmitter again.
The propellers spin, but the drone cannot take off.	The propellers are installed in the wrong orientation.	Install the propellers in the right orientation.
	The propellers are bent or deformed.	Replace the propellers.
The drone cannot stay balanced in flight.	The motor doesn't work properly.	Replace the motor.
	The propellers are bent or deformed.	Replace the propellers.



**HOLY  
STONE**

*Dare to fly. Soar to live.*